ODDS AND ENDS

Product	Contact	Price	Comment
Simplex Data Expansion Console	01-575-7531	49.50	QL. Two way motherboard
Skywave Forth	0202-302385	67.85	Fig Forth in ROM plus RS232 and Centronics
Softeach	0734-64261	3.95	Keyboard overlay
TEC	0527-74567	4.95	Reset switch
TV Services XK System	0223-311371	20.95	(£15.00 kit) Up to 4Mb of paged memor
Transform Microdrive Box	01-658-6350	5.95	Smart box for 20 cartridges (Nov. '84)
Spectrum Monitor Lead		11.50	The only one (May '85)
RGB Interface		45.00	With through port. Socket to monitor same as QL for ease of use.
Tree Top Designs	01-464-4464	47.95	Case inc Load/Save and reset switches.
YF Products	01-979-8753	5.45	Reset switch

FREE

The Sinclair User Hardware Buyer's Guide

INTRODUCTION

IT HAS BEEN estimated that in the 12 months from the launch of the ZX81 to the launch of the Spectrum a new Sinclair-related company was formed every 36 hours. Since then, over three years ago, that pace has scarcely diminished. This booklet contains details of about 300 different items of hardware for the ZX81, Spectrum and QL.

Due to considerations of space the details given on each product are limited, but you should be able to find almost any type of add-on you could wish for. We have given the telephone numbers of all companies so that you can contact them for further details. The figures in brackets in the comment column are the issue of *Sinclair User* in which a review was published.

When buying hardware, always tell the manufacturer exactly what you want to do with it and whether you will be using it with other add-ons. In that way you can avoid disappointments later. Take note of whether the add-on you want is dead-ended – that is, whether it does not have the user port carried through for further add-ons. If that is so you will need to buy a two way connector.

There is a limit to how much additional hardware the computer can support, and usually it is no more than two items. If you are using a flexible connector that can also affect add-ons so keep it as short as possible, preferably about 2–3ins.

Try not to keep plugging and unplugging add-ons in the user port, as with the ZX-81 and Spectrum the port soon wears out. It can be built up again with solder but prevention is better than cure. The port can become dirty in use which can lead to the computer crashing at odd moments or behaving erratically.

Lastly, always check that there is a key in the edge connector of the add-on; if it is missing you could damage the computer. Most important, NEVER plug, or unplug, anything into the user port without first turning off the power.

JOYSTICKS All joysticks used on Sinclair machines use the Atari standard. Some have Autofire and some have two independent fire buttons.

JOYSTICK INTERFACES All these interfaces accept standard joysticks. Check that your joystick can make use of any additional features. If buying a programmable interface try it out before buying, as some are easier to program than others.

PRINTERS Many of these printers are available from more than one place. Shop around for the cheapest price – the target prices were taken from current adverts.

PRINTER INTERFACES Check that the interface is the same as your printer, Centronics or RS232. If RS232 check that you can get a suitable cable for it.

KEYBOARDS Adding a full-sized keyboard usually means opening the computer, which will invalidate your warranty.

FAST STORAGE Disc systems tend to be more expensive but you can use the drives on more than one computer and the cost of storage, in pence per K, is quite low.

GRAPHIC AIDS Where possible try before you buy.

SOUND/SPEECH Output through the TV tends to degrade the picture and will not work on a monitor.

RAM Upgrades for the Spectrum are normally 32K.

MODEMS All but the Protek require a wall socket to operate.

MONITORS The Spectrum requires an adaptor to run a monitor – see **ODDS AND ENDS**.

TAPE DECKS Most domestic mono cassette recorders will work with the ZX-81 and Spectrum. These here have all been designed specifically to work with computers.

INPUT/OUTPUT A selection of the products that these companies produce.

ODDS AND ENDS From flexible connectors to robots, from reset switches to CP/M.

JOYSTICKS

Product	Contact	Price	Comment
Kempston Junior Pro	0234-856633	5.95	Single fire button
AGF Quickshot I	0243-823337	7.95	Old favourite. Two fire buttons. Good value
Cobolt	0751-73315	8.95	Has no base and takes getting used to. Good for track-type games
Consumer Electronic Slik Stick	061-682-2339	8.95	Stick is small and rather stiff
Vulcan Gunshot	01-203-6366	8.95	Hardwearing and imprecise (May '85)
Dean Superchamp	0344-885661	9.95	Cable winds into base. Stick rather loose (Oct '84)
Nidd Valley Flightlink	0423-864488	9.95	Two independent fire buttons
RAM Quickshot II	02514-5858	9.95	Old favourite. Stick loosens with use. Autofire
Stonechip Superstick	0252-333361	9.95	
Voltmace 3S		10.00	Two independent fire buttons. Well made. Good value (Oct '84)
Frel Flightlink	0584-4894	10.50	Two independent fire buttons. Very precise but fire buttons small
Consumer Electronic Starfighter	061-682-2339	10.95	Short but quite good
Eidersoft QL Joystick	01-478-1291	11.95	Standard Quickshot II with QL plug (May '85)
Kempston Formula 2	0234-856633	11.95	Three fire buttons. Long travel stick (June '85)
CGL Champion	01-508-5600	11.95	Two fire buttons. Autofire
Kempston Pro 3000	0234-856633	12.75	Two fire buttons. Leaf switches
Cookridge Zipstick	0532-670625	12.95	Two fire buttons, suckers on base
DK'tronics Quickshot II	0799-26350	12.95	see RAM

JOYSTICKS

Product	Contact	Price	Comment
Kempston Pro 5000	0234-856633	13.50	Ball on joystick and two large fire buttons
Frel Quickshot II+2	0584-4894	13.95	Standard Quickshot with two independent fire buttons (Oct '84)
CGL Boss	01-508-5600	15.99	Popular American stick. Heavy duty
Kempston Formula I	0234-856633	16.95	Micro switches. Recommended (June '85)
Consumer Electronic Joysensor	061-682-2339	19.95	Uses membrane touch pad. Difficult to get used to
Cookridge Sureshot Supreme	0532-670625	19.95	Fitted with QL plug. Good action. Recommended.
CGL Bat Handle	01-508-5600	27.99	Two fire buttons and leaf switches
Cheetah RAT	01-833-4909	29.95	Infra-red remote control with interface (Nov '84)
CGL Super Three Way	01-508-5600	29.99	Two fire buttons and leaf switches. Inter-changeable sticks

JOYSTICK INTERFACES

Product	Contact	Price	Comment
CLPS	0930-52204	4.95	QL adaptor for standard joystick (May '85)
Miracle Systems	0272-603871 x210	4.99	QL adaptor for standard joystick
Bud Pilot	0670-856616	9.95	Kempston compatible. Power-on LED (June '85)
DK'tronics	0799-26350	9.95	Kempston compatible
Kempston	0234-856633	9.95	Kempston compatible
AGF Protocol 1	0243-823337	10.95	Cursor. Reset switch
AGF Protocol 2	0243-823337	10.95	Kempston compatible. Reset switch
Cheetah Spectrum Interface	01-833-4909	11.50	Dead ended (£12.75 with extender). Kempston compatible
Bud Interstate 31	0670–856616	11.95	Kempston compatible. Reset, rapid fire
DK'tronics Games Player	0799-26350	12.95	Kempston compatible Freeze, slow motion
DK'tronics Dual Port	0799-26350	13.00	Sinclair and Kempston compatible. (Mar '85)

JOYSTICK INTERFACES

Product	Contact	Price	Comment
Sinclair Interface 2	0276-62282	14.95	Two sockets and ROM slot (Dec '83)
Datel Games Ace	0782-273815	17.95	Kempston compatible. Auto fire, Beep amp
Kempston Pro	0234-856633	18.95	Kempston, Cursor and Sinclair compatible. ROM slot (June '85)
AGF Protocol 3	0243-823337	19.95	Programmable with reset switch
Bud Interstate Pro	0670-856616	19.95	Programmable
Frel Comcon	0584-4894	19.95	Programmable. Two independent fire buttons (Oct '84)
Kempston Score Board	0234-856633	19.95	Large console and joystick
Nidd Valley	0423-864488	19.95	Programmable. Two independent fire buttons
Protek Switchable	0506-415353	19.95	Cursor, Sinclair and Kempston (Sept '84)
Datel Turbo Ace	0782-273815	22.95	Cursor, Sinclair and Kempston. Beep amp
DK'tronics	0799-26350	22.95	Tape programmable.
RAM Turbo	02514-5858	22.95	Two sockets. Cursor, Sinclair and Kempston compatible with ROM slot. Full rear connector (Sept '84)
Downsway	03727-27222	23.95	Programmable
Rainbow	0993-5432	24.00	Programmable. Move stick and push button to program. (June '84)
AGF Protocol 4	0243-823337	24.95	Programmable with reset switch. Also Kempston compatible and autofire (Jan '85)
Stonechip	0252-318260	24.95	Programmable
Page	0705-407908	26.00	Programmable. Move stick and push button to program. Rapidfire. (Sept '84)
Fox Programmable	0493-732420	28.95	Program held in battery-backed RAM. Easy to use. Very good value (Feb '84)

PRINTERS

Product	Contact	Price	Comment
Dean Alphacom 32	0344-885661	54.95	Thermal. Direct replacement for ZX Printer. (Annual '85)
Epson P40	01-902-8892	109.00	Thermal dot matrix. RS232. Poor quality
Seikosha GP50S	0442-60155	138.00	Plain paper dot matrix. Direct replacement for ZX Printer. (Annual '85)
Tandy CGP 1154	0922-648181	149.95	Serial. Uses four colour pens. Slow (Annual '85)
Brother HR5	061-330-6531	159.95	Centronics or RS232. Thermal dot matrix. Battery/mains. Best of the cheap printers
Brother M1009	061-330-6531	199.95	Centronics and RS232, dot matrix. Good features, slow. Target price £187.45
Statacom Sakata SCP800	01-661-2266	207.00	Plotter using Tandy four colour pen system. Cheap
Smith-Corona Fastext 80	01-900-1222	224.25	Poor RX80 imitator. (March '85)
Olivetti JP101	01-785-6666	228.00	Ink jet. Quiet but blurred print (Annual '85)
Seikosha 100	0442–60155	228.00	Centronics dot matrix. Noisy with poor print
Microline μ80	0753-72331	229.00	Budget printer without a budget price (Annual '85)
Shinwa CPA 80	0932-242777	229.00	Centronics dot matrix. RX80 imitator
Smith-Corona TP1	01-900-1222	235.00	RS232 daisy wheel. Target price £217.35
Brother EP44	061-330-6531	253.00	Thermal portable typewriter with RS232 Good print but slow
Seikosha 250	0442-60155	270.00	Centronics dot matrix. Noisy with poor print
Epson RX80	01-902-8892	286.00	Standard by which other low cost printers measure themselves. Target price £212.75. (Annual '85)
Mannesman Tally MT80	0734-788711	299.00	Good looks, few features. (Annual '85)
Daisy Step 2000	0932-242777	332.00	Centronics daisywheel. Good value at target price of £258.75

PRINTERS

Product	Contact	Price	Comment
Kaga KP810	0442-60155	366.85	Centronics dot matrix. Many features including NLQ and 3K buffer. Target price of £282.90
Canon PW1080A	0279-26777	367.00	Centronics dot matrix. Very fast with many features, NLQ, 2K buffer and programmable characters. Target price £286.35 (Annual '85)
Dyneer DW16	0753-72331	378.00	Daisywheel. Can accept Epson and Diablo codes. (Annual '85)
Silver Read EXP 500	0734-752273	378.35	Daisywheel. Reasonable speed. Target price £326.60.
Brother HR15	061-330-6531	445.00	RS232 daisywheel. Includes 3K buffer. Target price £401.85
Epson FX80	01-902-8892	503.70	Dot matrix. Many features, programmable characters, proportional spacing and 2K buffer. Target price £361.10

PRINTER INTERFACES

Product	Contact	Price	Comment
Datel Inter Printer	0782-273815	29.95	Centronics. Includes cable. Tape software
Kempston S	0234-856633	29.95	Centronics. Includes cable. Tape software. Compatible with commercial software
Watford Morex	0923-40588	34.44	Centronics and RS232. Cable £9.00 extra. Tape software. (Nov '83)
Euroelectronics ZX Lprint III	0684-292448	34.95	Centronics and RS232. Cable £9.95 extra. Eprom software (June '84)
Camel Print-SP	0223-314814	34.94	Centronics. Includes cable. Tape software. (Jan '85)
Tasman	0532-438301	39.90	Centronics. Includes cable. Tape software. Compatible with commercial software. Copy to many printers
DK'tronics Centronics	0799-26350	39.95	Centronics. Includes cable. Tape software. Expensive. Limited Copy (Mar '85)

PRINTER INTERFACES

Product	Contact	Price	Comment
Kempston E	0234-856633	39.95	Centronics. Includes cable. Eprom software. Good features (Mar '84)
Camel PolyPrint	0223-314814	51.69	Centronics. Includes cables. Eprom software and seven international character sets in ROM to screen or printer plus Tasword 2 setting
Miracle Systems QL	0272-603871 x210	29.95	RS23? to Centronics. First and least expensive. Adaptor, £5.00, for use on Spectrum (Aug '84)
Downsway QL	03727-27222	31.95	RS232 to Centronics. 9600 and 19200 baud. Switchable (May '85)
Care Electronics	0923-777155	49.91	RS232 to Centronics. QL. Switchable 75–9600 baud
Technology Research	0784-63547	49.95	RS232 to Centronics. QL (April '85)
CST Q–Pi	0223-323302	49.99	QL. Centronics – lets you use PAR in place of SER. Good value

SPECTRUM FAST STORAGE

Product	Contact	Price	Comment
Eprom Services Cartridge System	0532-667183	34.95	Uses Eproms for storage. Microdrive-type commands. Programs can be made to auto-run on power up
EMS	0733-75025	65.00	(£199 with drive) old Primordial Peripherals stock
Statacom	01-661-2266	75.00	(£240 with drive) Uses top 8K of memory. Cheap (Feb '85)
LMT	01-367-0035	79.95	Includes Centronics port
Rotronics Wafadrive	0494-452757	99.95	Includes two tape drives, RS232 and Centronics ports plus software. Slow but has edge on microdrive (Dec '84)
Servicon Dynamics Quickdisc	0594-542021	99.95	Includes RS423 and RGB. Uses 2.8in disc Slow but good
Sinclair Research Microdrive	0276-62282	99.95	Includes tape drive, RS232 and network plus software. Slow (Dec '84)

SPECTRUM FAST STORAGE

Product	Contact	Price	Comment
Technology Research Beta	0784-63547	109.25	Very popular, uses little memory. Now with proper filing system and format in ROM. Recommended. (Jan '85)
Watford SPDOS	0923-40588	125.35	Technically very good system. Includes software. Good value (Jan '85)
Servicon Dynamics	0594-542021	149.44	(£264.38 with 3in drive) Expensive.
Gordon Microframe	0292-280467	149.50	Includes motherboard system. Expensive as just a disc interface but good if you want extra cards
Timex	01-340-0310	199.00	Includes 3in drive, RS232 port. Poor manual but good system. CP/M upgrade (April '85)
Opus Discovery	0737-65080	199.95	Includes 3½in drive, Centronics and joystick ports. Uses microdrive commands – commercial software on disc. Recommended. (May '85)

QL FAST STORAGE

Product	Contact	Price	Comment
Micro Peripherals	0256–473232	113.85	(£194 with 3½in drive) Toolkit on disc. Good value (June '85)
Silicon Express	0533 374917	113.85	(£249 with 80 track, double sided 5¼in drive) includes Toolkit
Computamate Q-Disk	0782-811711	149.00	Made by CST. The first available, now seems over priced. Includes Toolkit (April '85)
Medic	0256-460748	249.95	Includes drive and Centronics port
Quest	04215-66488		CP/M 68K system
Cumana	0689-50292	TBA	Based on OS9 operating system, due to have a host of extras
Technology Research	0784-63547	TBA	Will include Centronics interface and RAM

KEYBOARDS

Product	Contact	Price	Comment
Sinclair Research Spectrum Plus kit	0276-62282	20.00	(£30.00 if fitted by Sinclair) Has to be a bargain at the price (June '85)
Kelwood K-Board	0709-63242	28.05	Unimpressive, un-professional. (Oct '84)
DK'tronics	0799-26350	37.50	Hugely popular. Proper keys, good value. Printed caps £6.00 extra (August '84)
LMT LMT68FX2	01-367-0035	39.95	Due soon. Printed caps, 68 keys
Maplin	0702-552911	44.95	Also DIY version. Plugs into back of Spectrum. Old fashioned (June '84)
Kappa Keyboards		48.00	56 keys crammed into old case, joystick port (Jan '85)
Nordic Executive	051-678-9993 051-606-0088	49.45	Good value (Feb '85)
AMS Lo>>Profile	0925-62682	49.95	Numeric Pad. Membrane. Large case (Aug '84)

Product	Contact	Price	Comment
Saga Saga 1	04862-69527	49.95	Good looks. Lots of keys but no single functions (Oct '84)
Mancomp MO184	061-224-1888	54.95	Bad feel to keys, overpriced (Feb '85)
Fox Cheetah 68FX1	0493-732420	59.95	Reasonable but over-taken by new version. See LMT (Dec '84)
Microboard Lazer 62	0483-38006	59.95	Lots of keys, lots of functions. Expensive (June '85)
Stonechip	0252-333361	59.95	(£39.95 without extras) Beep amp, Load/Save. No need to open Spectrum (Oct '84)
Transform	01-658-6350	69.95	Rolls Royce of key-boards. Three colour printed caps, good feel to keys. Recommended (June '84)
Transform	01-658-6350	79.95	New model with shifted cursor keys and restyled case

GRAPHIC AIDS

Product	Contact	Price	Comment
Pixel Pad	01-994-6477	4.95	A3 sheets (June '84)
Format 4	0306-880014	5.99	Re-usable sheets
Print 'n' Plotter Jotter	01-660-7231	9.00	100 A3 sheets
Format 4	0306-880014	16.95	Ring binder of grids
Datel Lightwriter	0782-273815	16.95	Cheap light pen
Trojan	0792-205491	17.25	Good light pen (June '84)
DK'tronics	0799-26350	19.95	Light pen (Sept '84)
Datapen	0256-770488	29.00	Good light pen (Nov '84)
RD Digital Tracer	07073-31051	59.50	A4 (A3 £75.50) Could be better (Feb '85)
SMC QL Mouse	01-441-1282	69.95	Includes interface and software with icons
Saga Graphics pad	04862-22977	80.44	Needs interface (£29.95) Good value
British Micro Grafpad	0923-48222	143.75	Recommended. Good software (Feb '85)
Touchmaster	0656-744700	149.95	Limited (Mar '85)

SOUND

Product	Contact	Price	Comment
Compusound Tele-Sound	0527-21429	9.95	Outputs beep through TV (Mar '84)
Cheetah Mega-Sound	01-833-4909	10.95	Outputs beep through TV. Loud (April '85)
Stonechip Echo Amplifier	0252-333361	10.95	Beep amp and Load/Save switch
Zeal Sound Booster	0246-208555	14.50	External beep amp with Load/Save switch
DK'tronics	0799–26350	14.95	Beep amp. Loud
Timedata ZXM	0268-418121	24.95	Three channel sound and joystick port (Dec '83)
Bi-Pak Zon X	0920-3182	25.95	ZX-81 amp needs adaptor (£6.80) for Spectrum
William Stuart Synthesiser	098-064-235	29.32	(£22.43 kit). Three channel sound
DK'tronics 3 Channel	0799-26350	29.95	External speaker, poor software (Mar '85)
Petron Trichord	0626-62836	29.95	Three channel and Beep amp (Mar '84)
Datel – Digital Sampler	0782-273815	49.95	Many features and worth twice the price.

SPEECH

Product	Contact	Price	Comment
Cheetah Sweet Talker	01-833-4909	24.95	Standard allophone. Good demo software
DK'tronics Speech Synthesiser	0799-26350	24.95	Allophone system. Includes text-to-speech software
Timedata ZXS	0268-418121	24.99	Allophone system. Needs external amp (Dec '83)
Currah μSpeech	0799-26350	29.95	Output through TV (Dec '83)
DCP Speech Pack	0442-64225	29.95	Good digitised speech. Additional ROMs £12.95
Datel Vox Box	0782-273815	34.95	Output through TV. Beep amp and Kempston joystick port
William Stuart Chatterbox II	098-064-235	44.85	(£37.95 kit) Beep amp, also ZX-81 version
Orion Data Micro Command	0273-672191	49.95	Speech recognition. Includes microphone and software (June '84)
William Stuart Big Ears	098-064-235	56.35	Speech recognition. Includes microphone and software. Needs port.

SPECTRUM RAM

Product	Contact	Price	Comment
RAM	02514-5858	21.95	Issues 2 and 3
Fox	0493-732420	22.90	Issues 2 and 3
Midwich	0379-4131	24.95	Issues 2 and 3
East London Robotics SP48B	0483-505605	27.00	Issues 2 and 3. Also 80K version and Forth (June '84)
DK'tronics	0799-26350	30.00	
Cheetah	01-833-4909	39.95	External RAM (July '83)

QL RAM

QL+	0372–67282	86.25	64K	
		132.25	128K	
		172.50	256K	
		316.25	512K	
Quest	04215-66488	115.00	64K	
		185.00	128K	
		349.00	256K	
		579.00	512K	Can use as RAM Disc
Simplex Data	01-575-7531	99.90	64K	
		198.00	256K	
		396.00	512K	

MODEMS

Product	Contact	Price	Comment
Protek 1200	0506-415353	59.95	Needs interface (£24.95). Audio. Prestel and 1200/1200. Will work on other computers with different interface. (Feb '85)
Prism/Modem House VTX5000	0392-69295	69.95	On offer at £49.95. Prestel and user-to-user. Bargain at price (Nov. '83)
Miracle Technology WS2000	0473-51785	149.44	All the features you are ever likely to need but needs interface (£45.94) Good value (April '85)
Compak Data	0792-473697	160.00	For the QL. 1200/1200, 1200/75 (Prestel), 75/1200 and 300/300, direct connect. Includes printer interface and 2K buffer

MONITORS

Product	Contract	Price	Comment
Citadel 101QL	01-951-1848	79.93	12in green screen. Cable extra (May '85)
Phillips	01-658-6350	86.25	12in green screen. Good picture on QL.
Hantrex Boxer	01-778-1414	99.95	12in green screen. Reasonable (May '85)
Citadel MVM12G	01-951-1848	102.93	12in green screen. Poor picture (May '85)
Taxan	01-658-6350	114.94	12in green screen. Swivel base with clock £20.00
Opus 1302-2	0737-65080	199.95	14in RGB for QL. Includes cable. (Dec '84)
Microvitec 1431-MZ 1451-DQ3	0274-390011	259.00 295.00	14in RGB. Spectrum interface (Dec '84) 14in RGB for QL. Swivel tilt stand £22.99 (Dec '84)
MBS Vision QL	0442-60155	299.00	12in RGB for QL. Over-rated (April '85)
Centel	0274-736386	299.00	14in RGB for QL. Good picture
Sanyo	01-658-6350	314.64	14in RGB for QL

TAPE DECKS

Product	Contact	Price	Comment
Twillstar MC3810	01-574-5271	25.95	(June '85)
Cobolt Data Recorder	0751-73315	19.95	
Cheetah Data Recorder	01-833-4909	24.95	
Binatone Data Recorder	01-903-5211	29.95	(June '85)
W H Smith CPD 8300	01-353-0277	34.95	Can cause problems when loading tapes saved on this from another machine
Challenge Research Sprint	0707-44063	69.95	Loads and saves at 4x normal speed. Cannot handle commercial turboload tapes. (Dec '84)

INPUT/OUTPUT

Product	Contact	Price	Comment
Camel I/O Port	0223-314814	21.28	Popular, almost the standard
Prommer-81S		28.69	Low cost Eprom programmer for 2K and 4K Eproms
Prommer-SP		34.44	Low cost Eprom programmer for 8K and 16K Eproms (Annual '85)
Rom-SP		34.44	Eprom holder, up to 16K. Autostart (May '84)
Bloprom-SP		103.44	Full feature Eprom programmer
Cramic-SP		103.44	16K battery-backed RAM
Datel Robo Tek	0782-273815	29.95	Four output, eight input, includes cables
DCP InterSpec	0442-64225	49.95	Four switch inputs, four relay outputs, eight-bit port in, eight-bit port out and eight-bit eight channel 10ms A to D. Good value, well made

INPUT/OUTPUT

Product	Contact	Price	Comment
Eprom Services QL Eprom Holder	0532-667183	14.95	Plus programs in Eprom available. Good (May '85)
ROM Board		14.95	For up to 16K. Sits in ROM space. (Mar '83)
Eprom Programmer		54.95	Full feature Eprom programmer. Also full range of A–D, D–A and I/O cards
Multitron I/O Port	0527-44785	15.98	Standard I/O port (Feb '84)
Orme Electronics Eprom Card	087257-2842	21.25	Toolkit in Eprom (Sept '83)
Indescomp Domestic Controller	0462-37171	49.95	Four inputs, four outputs (via relays) available through Spectrum group (July '84)

ODDS AND ENDS

Product	Contact	Price	Comment
Steve Adams Eve Adaptor	01-254-1869	9.00	Adaptor for ZX-81 add-ons on Spectrum
Adapt	01-504-2840	29.95	Good RGB interface
AGF ROM Slot	0243-823337	7.95	For games cartridges, as Interface 2
B & R Electrical	0279-34561	10.45	Mains filter. (Feb '84)
CLPS Flexible Connector	0930-52204	8.50	Also three way £12.50 (Aug '84)
Microdrive Lead		8.50	6in (Dec '84)
RS232 Lead Spectrum		10.95	Cheaper than Sinclair
RS232 Lead QL		10.00	(Dec '84)
Monitor Lead QL		2.50	QL to aerial or phono (May '85)
Commotion Beasty Interface	01-804-1378	49.95	Drives up to four servos for robotics
CST IEEE-48	0223-323302	195.50	Up to 16 instruments
Camel Nike	0223-314814	19.95	Battery back-up in case of power failure (Dec '84)

ODDS AND ENDS

Product	Contact	Price	Comment
Censcot Fatherboard		17.50	Tray for computer, tape deck etc. (April '84)
Cheetah 56 way extender	01-833-4909	7.95	Flexible connector
Aerial Splitter		2.25	For TV and computer
15ft aerial lead		1.50	
Computer-world	01-778-0479	4.99	Reset switch
Dixonmyne	0273-201568	105.00	Computer Table (Apr '85)
DK'tronics Microdrive lead	0799-26350	5.95	6in
Currah μSlot		7.95	Two way solid extender
Rom Cartridge		9.95	Cartridge slot
56 way extender		9.95	Flexible connector
Eidersoft The Switch 2	01-478-1291	2.49	Reset and on/off switch
Glanmire Electronics	01-366-3245	38.50	Real Time Clock
GST 68K/OS	0954-81991	99.95	Original QL operating system. Little support
Hawnt	021-784-2485	7.99	Flexible connector

Product	Contact	Price	Comment
Intergalactic Robot Zero 2	01-359-2539	79.95	Kit (£99.95 built) updated Zeaker turtle
Kelan Prototype Kit	0423-883672	9.50	With PCB, case, socket for joystick (April '84)
Kelwood Backpack	0709-63242	27.50	Load/Save switch, Beep amp, mains socket
Maplin Easyload	0702–552911	9.95	DIY. Filters tape signal. Good value (Sept '84)
Mega Rule	01-930-1612	2.99	Magnifing ruler (May '85)
Miracle Systems	0272-603871 x210	39.00	Two way motherboard for QL
Nidd Valley Slomo	0423-864488	4.95	Reset Switch
		14.95	Slows computer. Good (Feb '85)
PI Computers		4.90	QL Dust cover
Print 'n' Plotter	01-660-7231	2.95	10 keyboard overlays for Spectrum
Adventure Planner		4.50	A must for the serious adventurer
Rainbow	0993-5432	4.95	Reset switch
Rexel Starter Kit	0628-37222	11.49	Tape head cleaner and flowchart template